

North Hennepin Community College

ENGR 2301: Statics

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: *.*

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites:

This course requires either of these prerequisites

PHYS 1601 - General Physics I

MATH 1221 - Calculus I (Minimum grade: 1.67 GPA Equivalent)

Corequisites: None

MnTC Goals: None

This course is designed for people interested in mechanical, civil, industrial, and aerospace engineering. It is also intended for the Bachelor of Construction Management degree. The topics include: vector algebra, equilibrium of a particle, equivalent systems of forces, equilibrium of rigid bodies, distributed forces, friction, centroids, and center of mass. Prerequisite: Math 1221 and Physics 1601

B. COURSE EFFECTIVE DATES: 08/26/2002 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Topics covered include: vector algebra, equilibrium of a particle, equivalent systems of forces, equilibrium of rigid bodies, distributed forces, friction, centroids, center of mass.

D. LEARNING OUTCOMES (General)

1. An understanding of the principles of statics and an ability to solve problems involving these principles.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted